

US 1 IS ASSUMED  
TO RUN IN A EAST-  
WEST DIRECTION

**A. EQUIPMENT TO BE SUPPLIED BY SHA**

ITEM NO.	QUANTITY	DESCRIPTION
* 11	1 EACH	PIN 120 V RELAY
* 11	1 EACH	PIN RELAY BASE
	142.5 S.F.	ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 623 (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, MARYLAND 623 (LEFT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, MARYLAND 623 (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 623 (LEFT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, US 1 (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, US 1 (LEFT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, US 1 (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, US 1 (LEFT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
2	2 EACH	PUSHBUTTON

\* - TO BE INSTALLED BY THE SHA SIGNAL SHOP INSIDE THE CONTROLLER CABINET

**B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR**

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
NEG.	135 L.F.	F & I 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
NEG.	135 L.F.	REMOVE EXISTING PAVEMENT MARKINGS - ANY WIDTH
8006	26 EACH	F & I 12" BLACK FACED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8011	3 EACH	F & I 18" BLACK FACED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8019	280 L.F.	F & I 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8028	40 L.F.	F & I 3" SCHEDULE 80 RIGID PVC CONDUIT - BORED
8035	5 EACH	F & I ELECTRICAL HANDHOLE
8042	1,520 L.F.	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8044	260 L.F.	F & I ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8047	2 EACH	INSTALL PUSHBUTTON
NEG.	L.S.	F & I MISC. EQUIPMENT FOR THE INSTALLATION INVOLVING INSIDE AND OUTSIDE THE FIREHOUSE FOR THE INSTALLATION OF THE FIREHOUSE PRE-EMPTION
NEG.	142.5 S.F.	INSTALL GROUND MOUNTED SIGN
NEG.	80 L.F.	F & I WOOD SIGN SUPPORTS - 4" x 6"

**PHASE CHART**

	1	2	3	4	5	6	7	8	9
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 2 & 6	G	G	G	G	R	R	R	R	R
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R
PHASE 4 & 8	R	R	R	R	G	G	G	G	G
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y
FLASHING	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R
OPERATION									

**FIREHOUSE PRE-EMPTION**

FIREHOUSE PRE-EMPTION	R	R	R	R	G-G	G	R	R	R
PHASE 8	R	R	R	R	Y	Y	Y	R	R
PRE-EMPTION CLEARANCE	R	R	R	R	Y	Y	Y	R	R
PHASE 2 & 6	G	G	G	G	R	R	R	R	R
NORMAL OPERATION									

F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

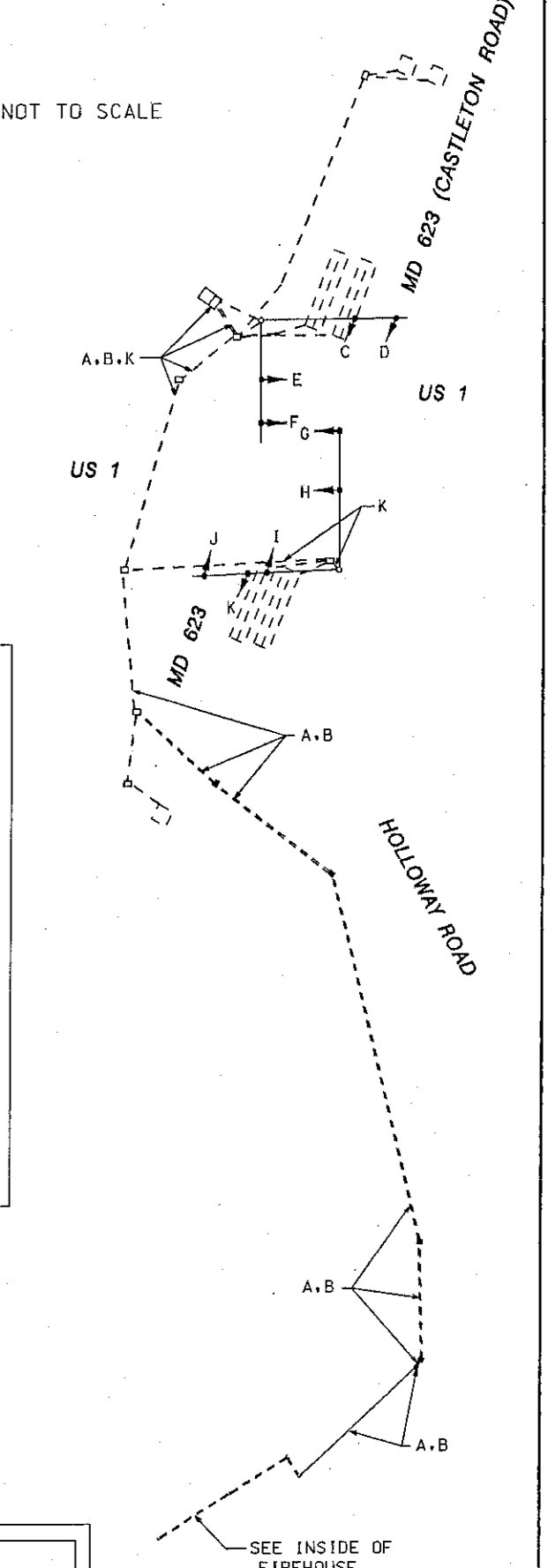
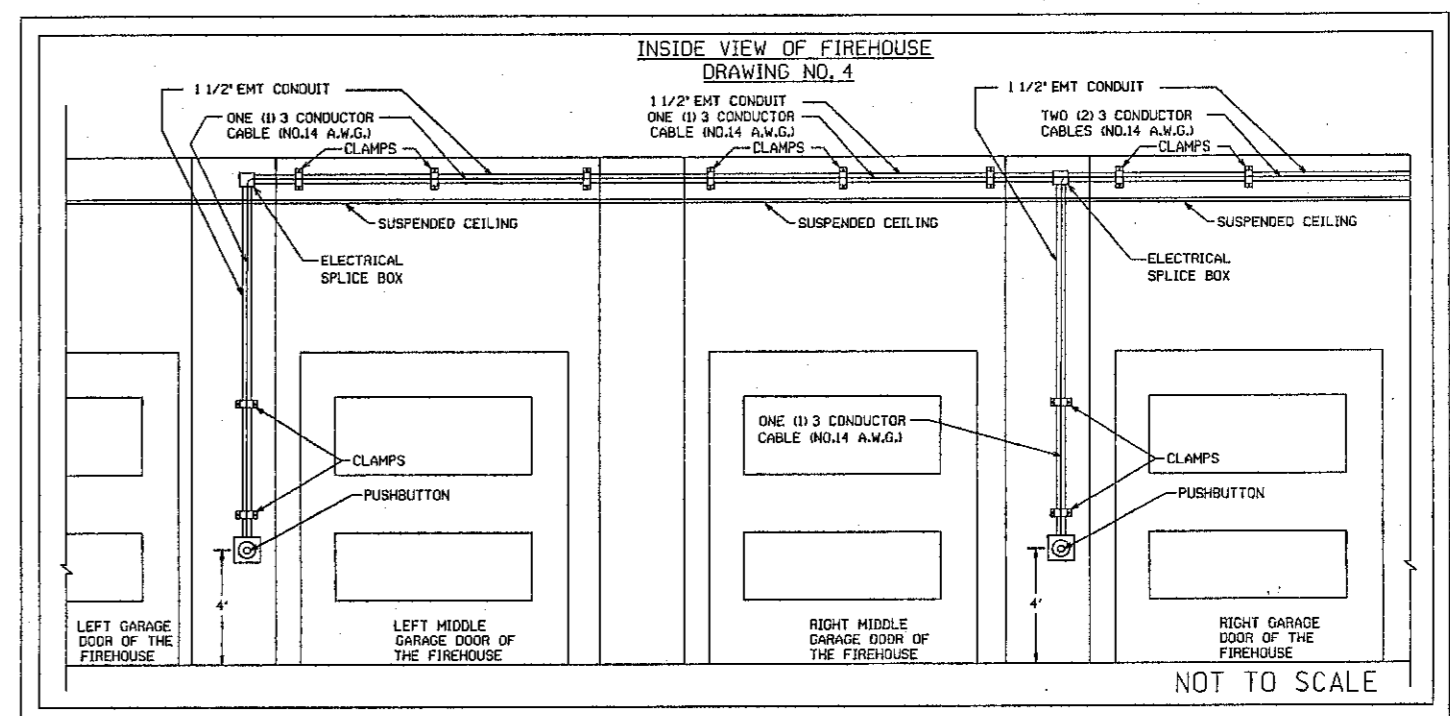
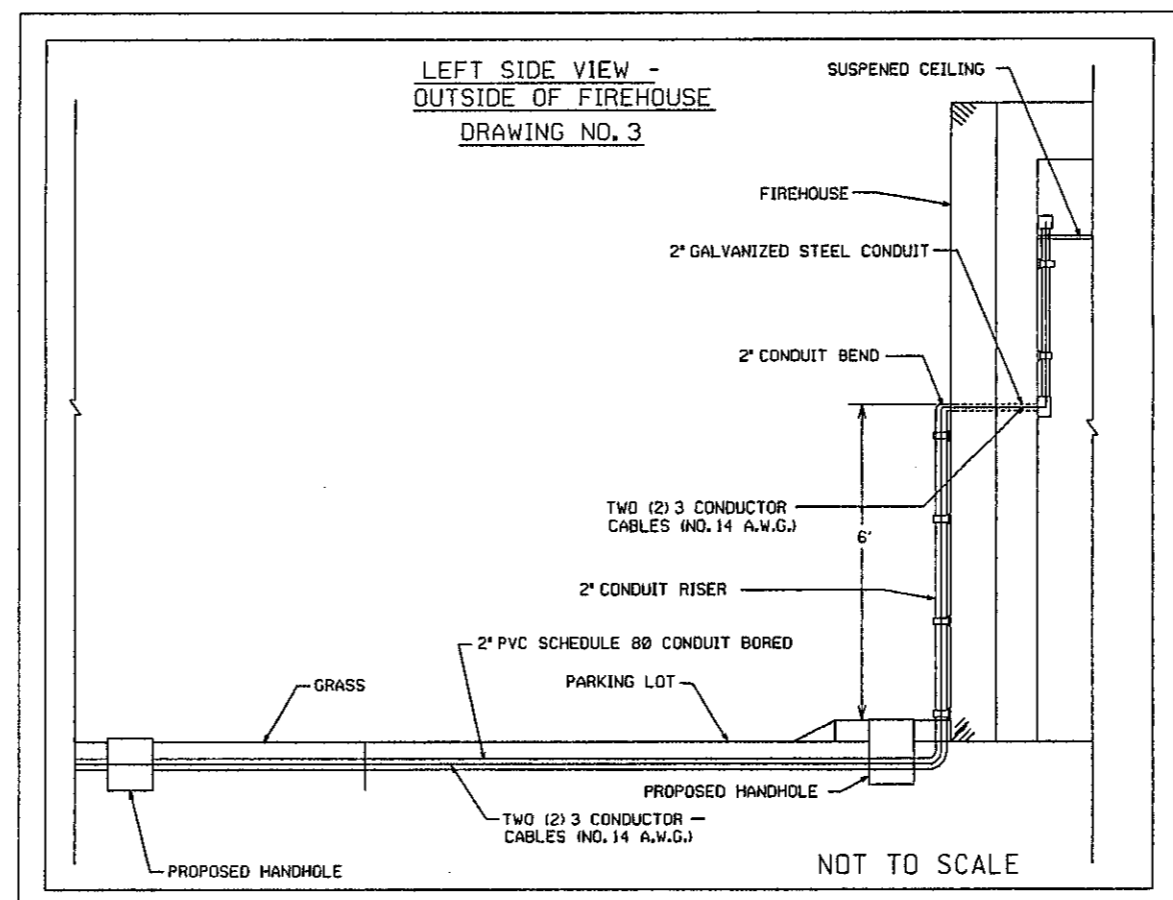
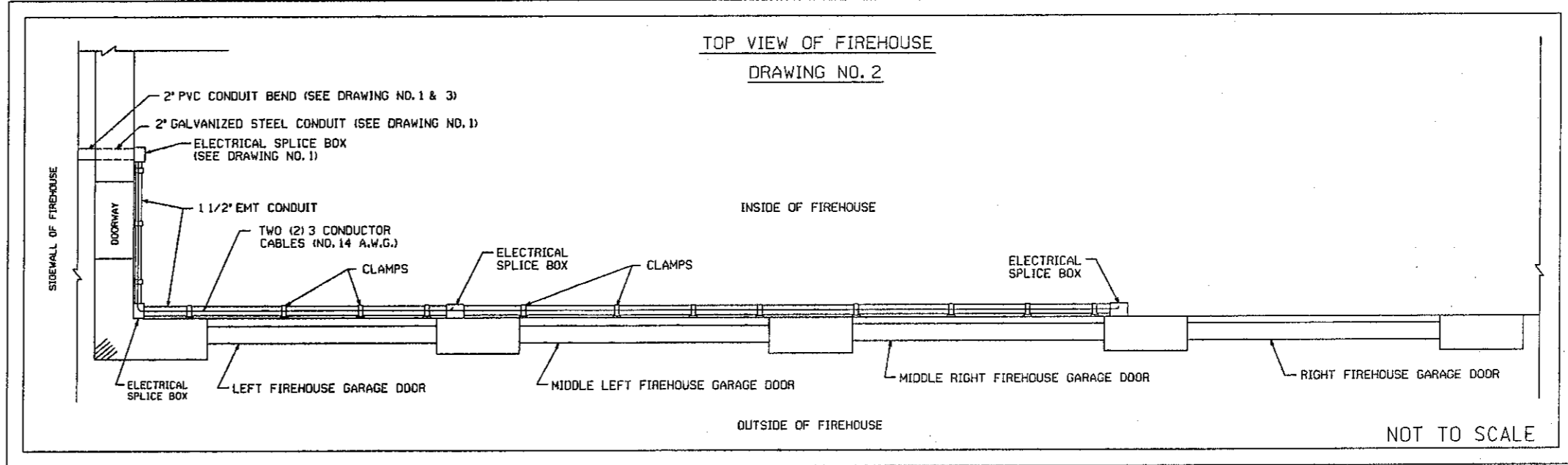
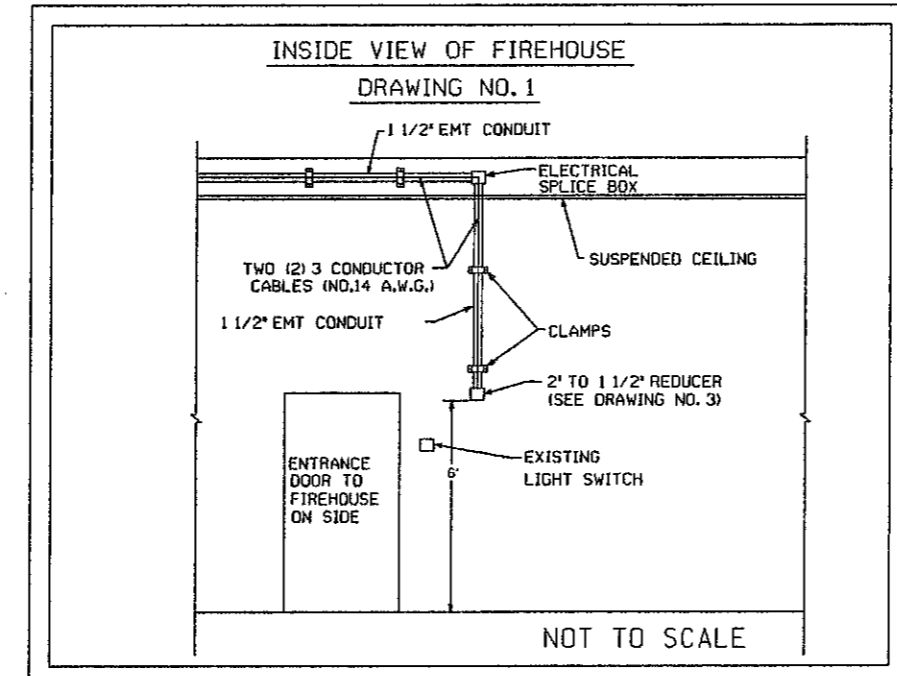
**WIRING DIAGRAM**

A-B - 3 CONDUCTOR CABLE (NO. 14 AWG)  
C-J - USE EXISTING CABLE  
K - 7 CONDUCTOR CABLE (NO. 14 AWG)

**NOTES TO THE CONTRACTOR:**

1. THE CONTRACTOR SHALL CONTACT EITHER MR. COLE NELSON (410-457-4338), MR. ROY ELLIOTT (410-459-4215), OR MS. EDNA REEVES (410-836-3434) OF THE DARLINGTON VOLUNTEER FIRE COMPANY CONCERNING THE INSTALLATION OF THE PRE-EMPTION EQUIPMENT AT THE FIREHOUSE. THE TELEPHONE NUMBER AT THE DARLINGTON FIREHOUSE IS 410-638-3760.
2. THE CONTRACTOR SHALL HANDDIG FOR THE PROPOSED HANDHOLES NEAR THE PARKING LOT, AND THE FIREHOUSE DUE TO UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT MISS UTILITY (1-800-257-7777) TO ASSESS WHERE THE UNDERGROUND UTILITIES ARE LOCATED. THE CONTRACTOR SHALL BE CAREFUL WHEN INSTALLING THE CONDUIT ACROSS THE PARKING LOT DUE TO THE UTILITIES NEAR THE FIREHOUSE, AND THE PARKING LOT.

**DARLINGTON VOLUNTEER FIREHOUSE**



SCALE: 1" = 40'

**CONSTRUCTION DETAILS**

1. INSTALL 3" PVC SCHEDULE 80 CONDUIT - BORED.
2. INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
3. INSTALL THE PROPOSED HANDHOLE.
4. USE THE EXISTING HANDHOLE.
5. USE THE EXISTING CONDUIT.
6. INSTALL 2" PVC SCHEDULE 80 CONDUIT - BORED. HANDDIG THE CONDUIT ON BOTH SIDES OF THE PARKING LOT DUE TO UNDERGROUND UTILITIES NEARBY.
7. HANDDIG AND INSTALL THE PROPOSED HANDHOLE.
8. SEE DRAWINGS FOR INSIDE OF FIREHOUSE.
9. REMOVE THE EXISTING STOPLINE. INSTALL 24" WHITE PAVEMENT MARKING (STOPLINE).
10. REMOVE THE EXISTING SIGNAL. INSTALL THE PROPOSED SIGNAL.
11. INSTALL THE PROPOSED SIGN.
12. INSTALL THE PROPOSED SIGNAL.

REVISIONS		APPROVALS	
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
		ORIGINAL	
		ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, TRAFFIC & SAFETY	
MARYLAND DOT - STATE HIGHWAY ADMINISTRATION			
Office of Traffic & Safety			
TRAFFIC ENGINEERING DESIGN DIVISION			
US 1 AND MD 623			
DARLINGTON, MARYLAND			
DRAWN BY: W. Malcolm		F.A.P. NO.:	
CHECKED BY:		S.H.A. NO.:	
SCALE: AS NOTED		COUNTY: HARFORD	
DATE: 01-10-95		LOC MILE: 12000118.21	
		TS NO. 3482	
		T.I.M.S. NO. D687	
		SHEET NO. 2 OF 2	